

Consortium Articulation – Diversified Manufacturing Technology Courses

This document is a written articulation agreement for the core Diversified Manufacturing Technology (DMT) certificate between the five Nebraska community colleges which comprise the Project IMPACT Consortium. This *Consortium DMT Articulation* deliverable was developed for the Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grant Program Round 2 Grant, Innovations Moving People to Achieve Certified Training (IMPACT): TC-23752-12-60-A-31.



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Consortium Articulation Agreement – Diversified Manufacturing Technology Certificate Courses Innovations Moving People to Achieve Certified Training (IMPACT)

1) Consortium Member Institutions

Five Nebraska community colleges (Central Community College (Grantee Institution), Metropolitan Community College, Northeast Community College, Southeast Community College and Western Nebraska Community College) agree to participate in a consortium to implement the grant proposal *Innovations Moving People to Achieve Certified Training* (IMPACT), a response to the U.S. Department of Labor's 2012 Trade Adjustment Assistance Community College and Career Training (TAACCCT) grants program (SGA/DFA PY 11-08).

2) Articulation Responsibilities of Consortium Members

As defined in the Project IMPACT grant proposal, Consortium members will:

- Articulate 25% of skilled and technical science course offerings across the Consortium member institutions.
- Establish pathways from certificate to diploma and AAS degree awards in areas including advanced manufacturing, mechatronics, quality, drafting, welding, instrumentation, and energy operations across the Consortium.
- Align course offerings and related pathways with the National Association of Manufacturers (NAM) Skills Certification system and other nationally-recognized industry credentials.

3) Articulation Resolution

Consortium members jointly establish a core Diversified Manufacturing Technology (DMT) certificate which aligns with four NAM-endorsed, Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) modules. The DMT course alignment to the MSSC CPT credential provides industry-endorsed training and education in safety, quality, production, and maintenance. The *Diversified Manufacturing Technology Articulation Matrix* (Table 1) describes the specific Consortium course articulations.

**Project IMPACT Consortium Partners
Diversified Manufacturing Technology Articulation Matrix**

Community College	Manufacturing Skill Standards Council (MSSC)			
	Certified Production Technician (CPT) Module Alignment			
	Safety	Quality	Production	Maintenance
Central Community College (CCC)	AMDT 1100 – Introduction to Industrial Safety	AMDT 1110 – Introduction to Quality & Continuous Improvement	AMDT 1120 – Introduction to Manufacturing Technology	AMDT 1130 – Introduction to Maintenance Technology
Metropolitan Community College (MCC)	PROT 1010 - Safety Topics for Process and Power Operations	PROT 1030 - Introduction to Quality and Continuous Improvement	PROT 1020 - Introduction to Process Operations in Manufacturing Technology	PROT 1000 - Introduction to Process and Power Operations
Northeast Community College (NECC)	INDT 1025 – Introduction to Industrial Safety INDT 1170 – Introduction to Total Quality Management	INDT 1170 - Introduction to Total Quality Management INDT 1055 - Print Reading for the Industrial Trades	INDT 1015 - Introduction to Manufacturing INDT 1065 - Manufacturing Technologies and Measurement	INDT 1085 – Introduction to Maintenance Fundamentals
Southeast Community College (SCC)	DEMT 1110 – Introduction to Industrial Safety	DEMT 1130 – Introduction to Quality & Continuous Improvement	DEMT 1120 – Introduction to Manufacturing Technology	DEMT 1140 – Introduction to Maintenance Technology
Western Nebraska Community College (WNCC)	AMDT 1100 – Introduction to Industrial Safety	Introduction to Quality & Continuous Improvement	AMDT 1120 – Introduction to Manufacturing Technology	Introduction to Maintenance Technology

Table 1



Dr. Deborah Brennan, Executive Vice President, Central Community College



Dr. Tom McDonnell, Vice President for Academic Affairs, Metropolitan Community College



John Blaylock, Vice President of Educational Services, Northeast Community College



Dr. Dennis Headrick, Vice President for Instruction, Southeast Community College



Dr. Kim Dale, Executive Vice President, Western Nebraska Community College